Human sgp130 Antibody Pair Set

Catalog No. E-KAB-0405 **Applications** ELISA
Synonyms CD130;CDW130;IL-6RB;IL6ST;IR6RB;Interleukin 6 signal transducer

Kit components & Storage

Title	Specifications	Storage
Human sgp130 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human sgp130 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

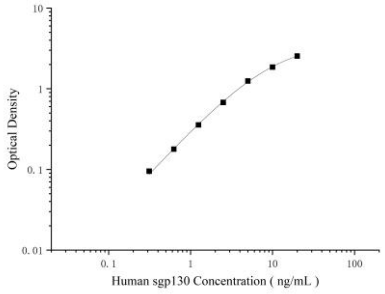
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0405)	
		Human sgp130 Capture Antibody	Human sgp130 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human sgp130 protien	Recombinant Human sgp130 protien
	Swissprot	P40189	
Product details	Reactivity	Human	Human
	Host	Mouse	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Human sgp130 in ELISAs.	

Applications

Human sgp130 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human sgp130 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human sgp130 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

The protein encoded by this gene is a signal transducer shared by many cytokines , including interleukin 6 (IL6) , ciliary neurotrophic factor (CNTF) , leukemia inhibitory factor (LIF) , and oncostatin M (OSM) . This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6 , a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus , can bypass the interleukin 6 receptor (IL6R) and directly activate this protein. Knockout studies in mice suggest that this gene plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants have been described. A related pseudogene has been identified on chromosome 17.